

FIG.1A

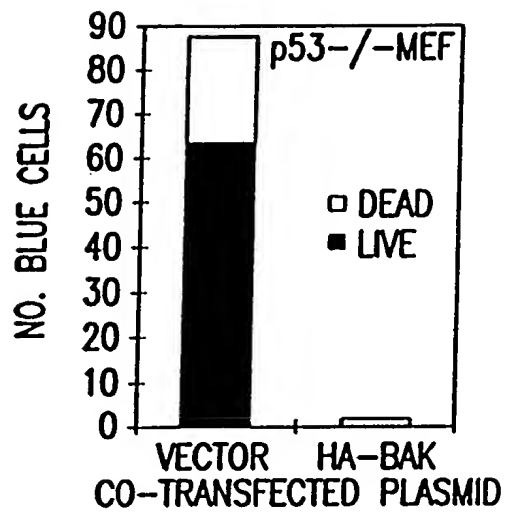


FIG.1B

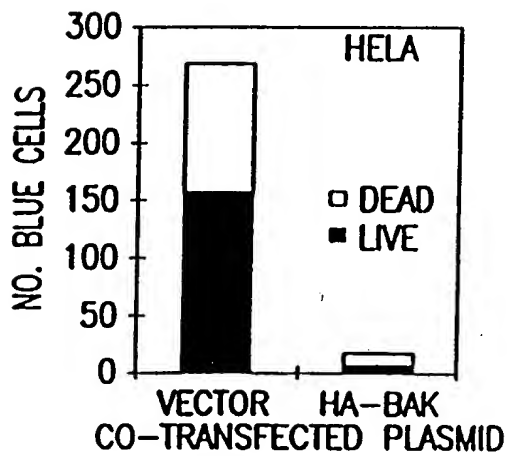


FIG.1C

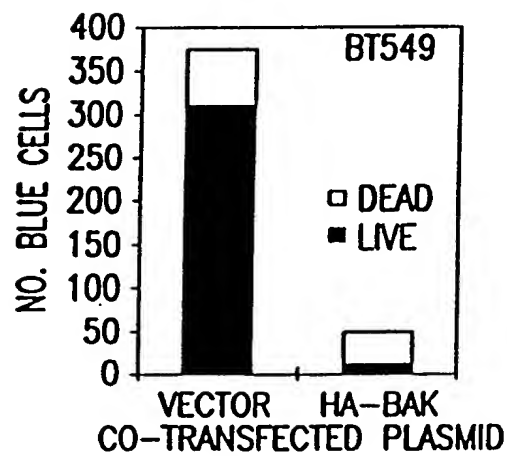


FIG.1D

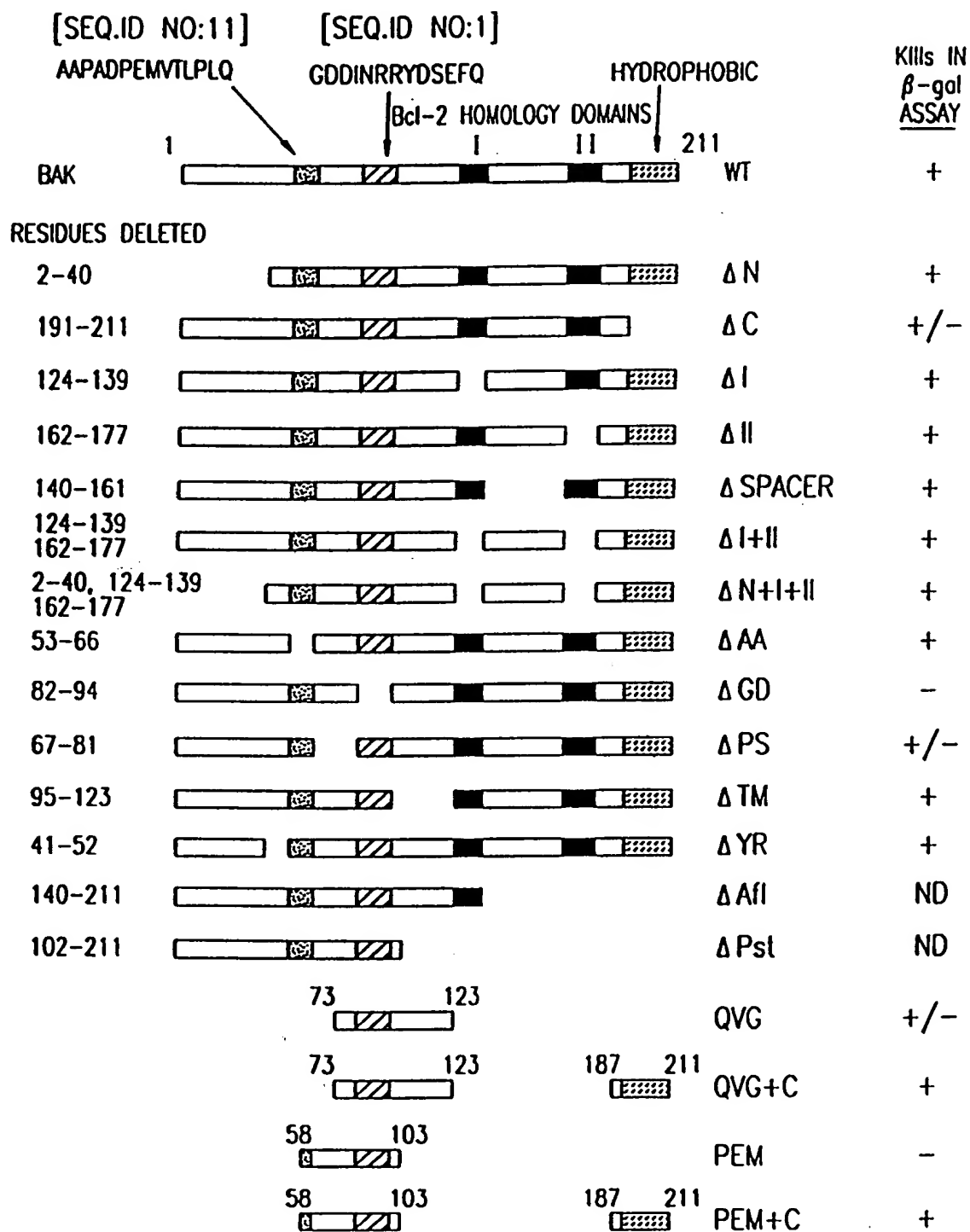


FIG.2



Interaction of Bak with GST-Bcl-x_L *in vitro*

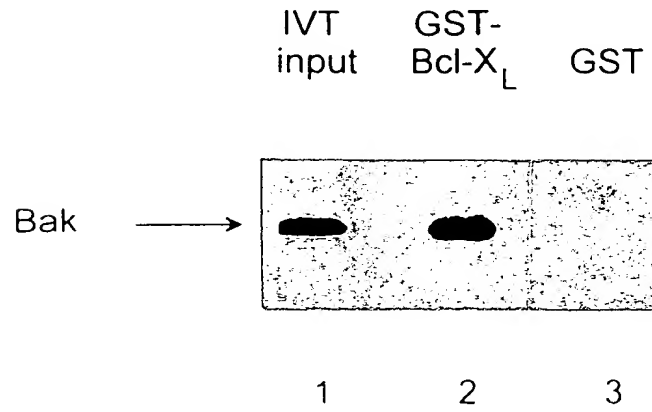


FIG.3A

Interaction of Bak with Bcl-x_L in COS cells

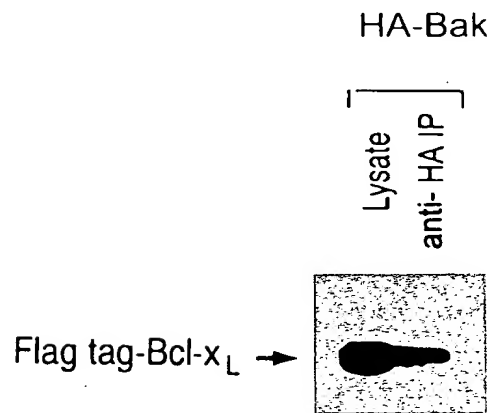


FIG.3B

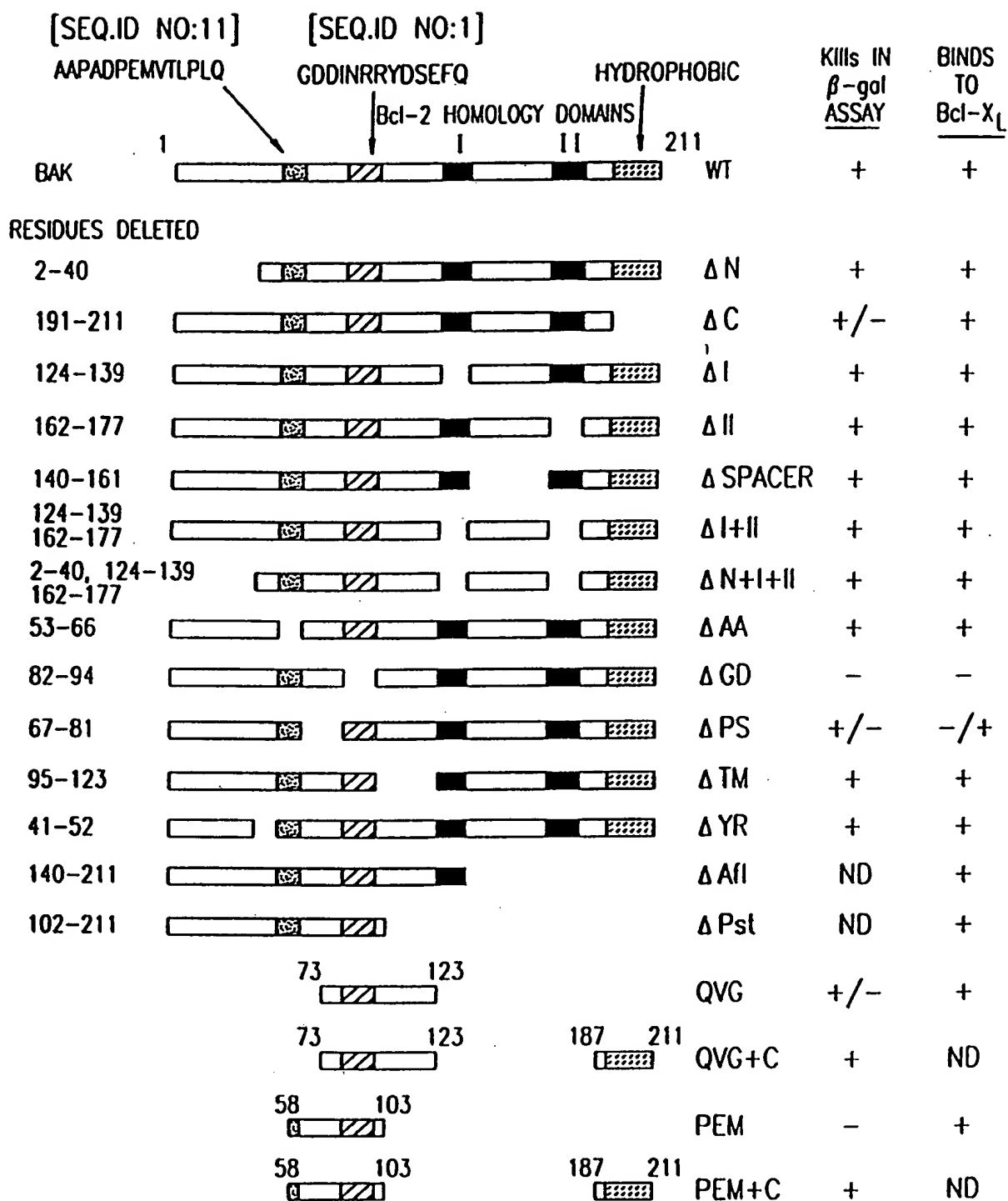


FIG.4

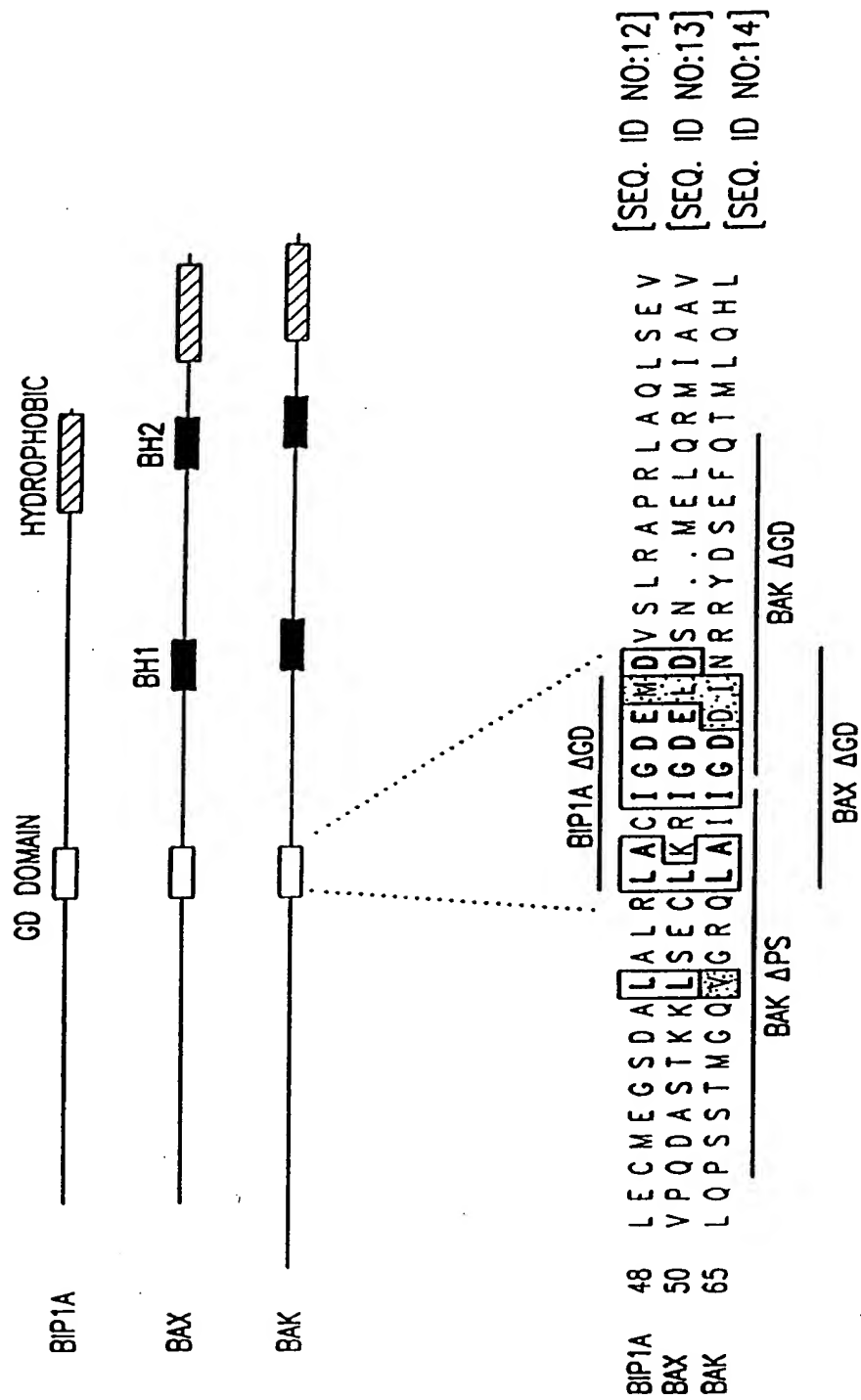


FIG.5



| <u>PLASMID</u> | <u>RAT-1 CELL KILLING ACTIVITY</u> | <u>Bcl-X_L BINDING ACTIVITY</u> |
|----------------|--|---|
| Bak | + | + |
| Bak ΔPS | +/- | -/+ |
| Bak ΔGD | - | - |
| Bax | + | + |
| Bax ΔGD | - | - |
| Bip1a | + | + |
| Bip1a ΔGD | +/- | - |

FIG.6

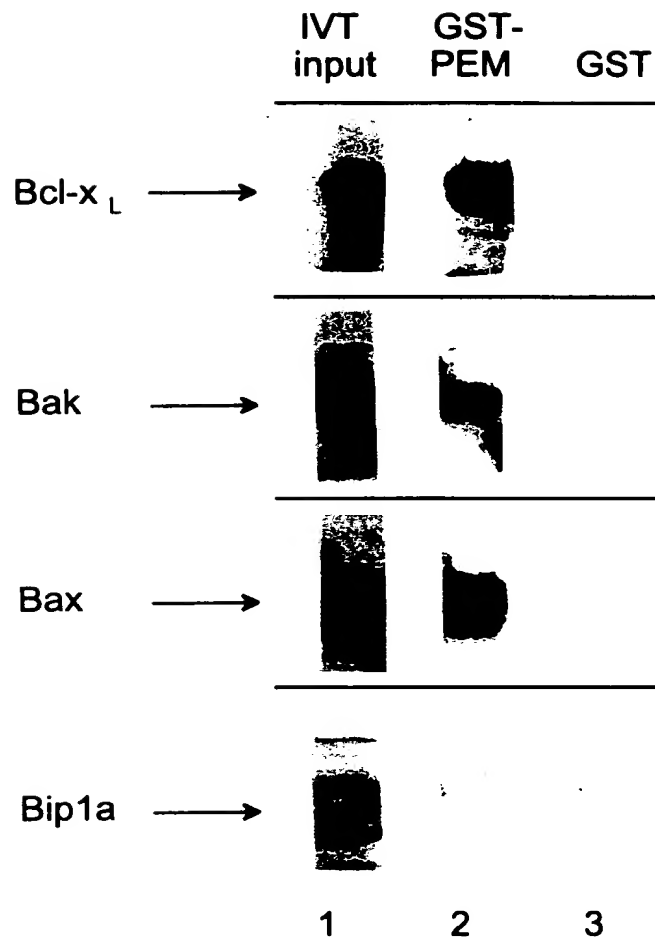


FIG.7



Bak

1.

73

CAG GTG GGA CGG CAG CTC GCC ATC ATC GGG GAC GAC ATC AAC CGA CGC TAT GAC TCA
Q V G R Q L A I I G D D I N R R Y D S
- 280

*

290

*

300

*
- GAG TTC CAG ACC ATG TTG CAG CAC CTG CAG CCC ACG
E F Q T M L Q H L Q P T

103
- [SEQ. ID NO: 15]

[SEQ. ID NO: 16]

3
2.

67

CCT AGC AGC ACC ATG GGG CAG GTG GGA CGG CAG CTC GCC ATC ATC GGG GAC GAC ATC
P S S T M G Q V G R Q L A I I G D D I
- 200

*

210

*

220

*

230

*

240

*

250

*
- [SEQ. ID NO: 17]

[SEQ. ID NO: 18]

2
3.

74

GTG GGA CGG CAG CTC GCC ATC ATC GGG GAC GAC ATC AAC CGA CGC
V G R Q L A I I G D D I N R R
- 220

*

230

*

240

*

250

*

260

*

88
- [SEQ. ID NO: 19]

[SEQ. ID NO: 20]

10

FIG. 8A



250 260 270 280
* * * *
4. GGG GAC GAC ATC AAC CGA CGC TAT GAC TCA GAG TTC CAG
82 G D D I N R R Y D S E F Q 94

[SEQ. ID NO: 21]
[SEQ. ID NO: 22]

Bax

160 170 180 190 200 210
* * * * *
5. CAG GAT GCG TCC ACC AAG AAG CTG AGC GAG TGT CTC AAG CGC ATC GGG GAC GAA CTG
52 Q D A S T K K L S E C L K R I G D E L

220 230
* *
GAC AGT AAC ATG GAG CTG CAG
D S N M E L Q ZZ

[SEQ. ID NO: 23]
[SEQ. ID NO: 24]

180 190 200 210
* * * *
6. CTG AGC GAG TGT CTC AAG CGC ATC GGG GAC GAA CTG GAC AGT AAC
52 L S E C L K R I G D E L D S N 73

[SEQ. ID NO: 25]
[SEQ. ID NO: 26]

FIG. 8B



190 * 200 * 210 *

7. CTC AAG CGC ATC GGG GAC GAA CTG GAC
L K R I G D E L D Z1

[SEQ. ID NO: 27]
[SEQ. ID NO: 28]

Bipla

150 * 160 * 170 * 180 * 190 * 200 *
TGC ATG GAG GGC AGT GAC GCA TTG GCC CTG CGG CTG GCC TGC ATC GGG GAC GAG ATG
C M E G S D A L A L R L A C I G D E M

210 * 220 * 230 *
GAC GTG AGC CTC AGG GCC CCG CGC CTG
D V S L R A P R L ZZ

[SEQ. ID NO: 29]
[SEQ. ID NO: 30]

170 * 180 * 190 * 200 * 210 *
TTG GCC CTG CGG CTG GCC TGC ATC GGG GAC GAG ATG GAC GTG AGC
L A L R L A C I G D E M D V S Z1

[SEQ. ID NO: 31]
[SEQ. ID NO: 32]

190 * 200 *

10. ATC GGG GAC GAG ATG
I G D E M 68

[SEQ. ID NO: 33]
[SEQ. ID NO: 34]

FIG. 8C

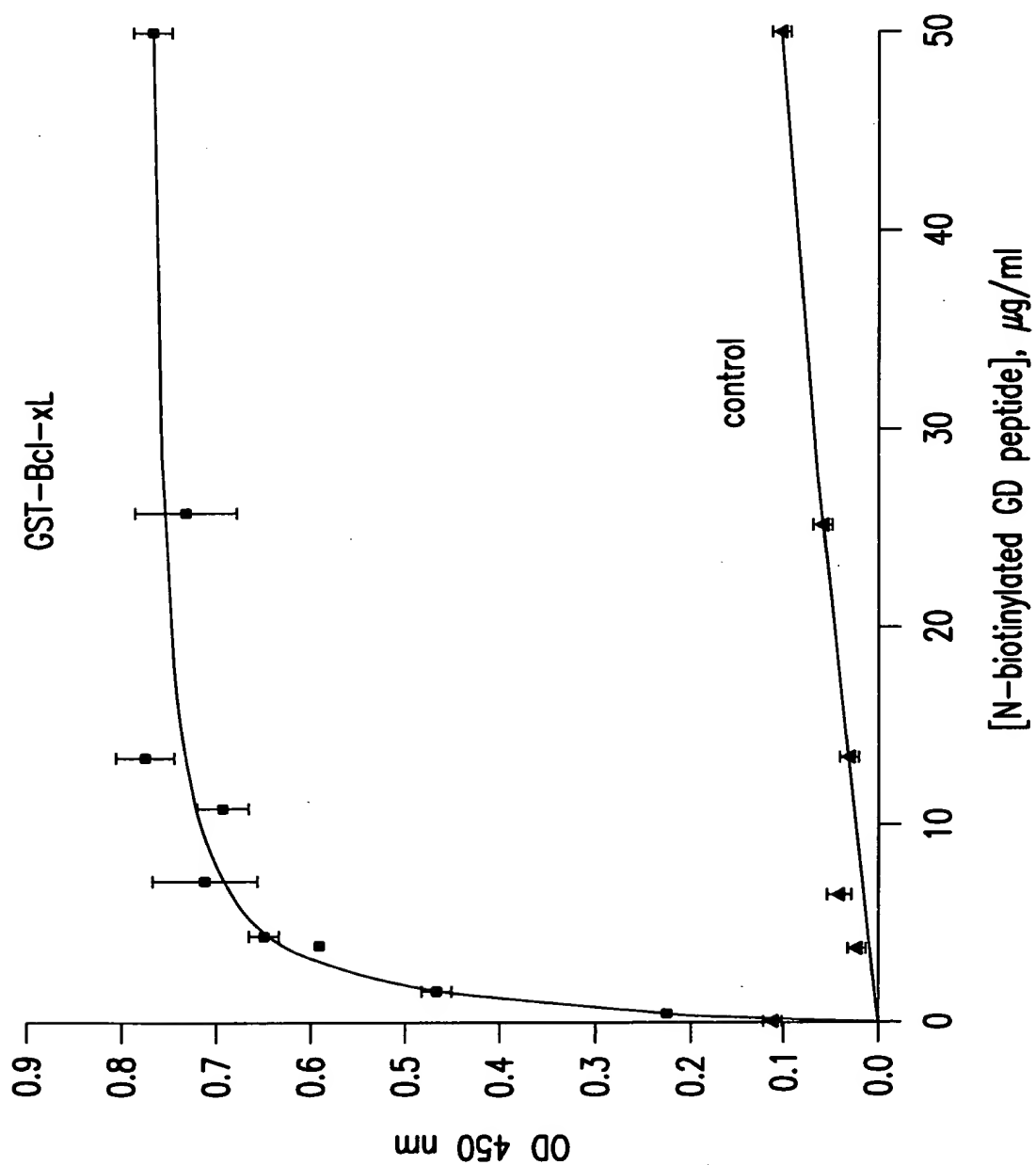


FIG.9

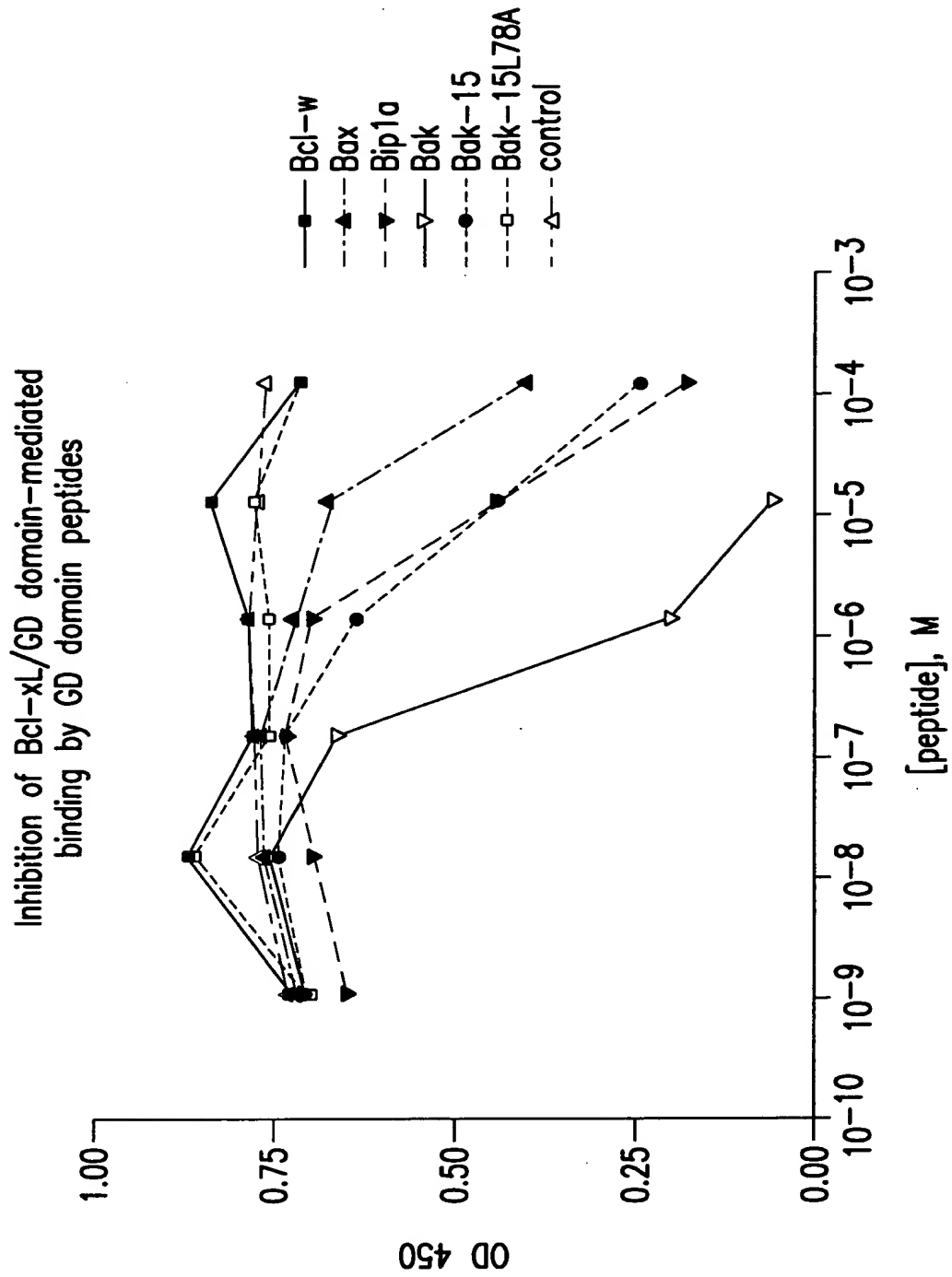


FIG.10

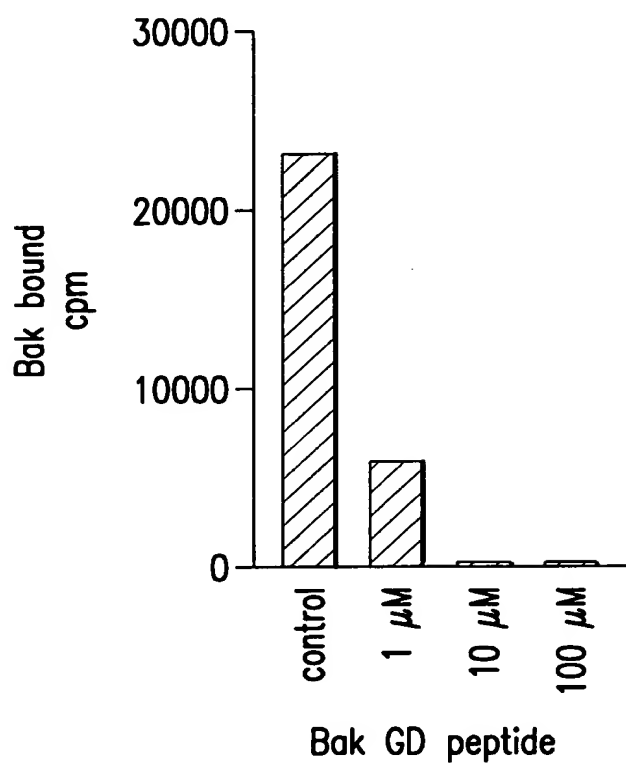


FIG.11



Inhibition of Bcl-xL protection of FAS/CHX-treated HcLa cells
by Bak GD domain peptides

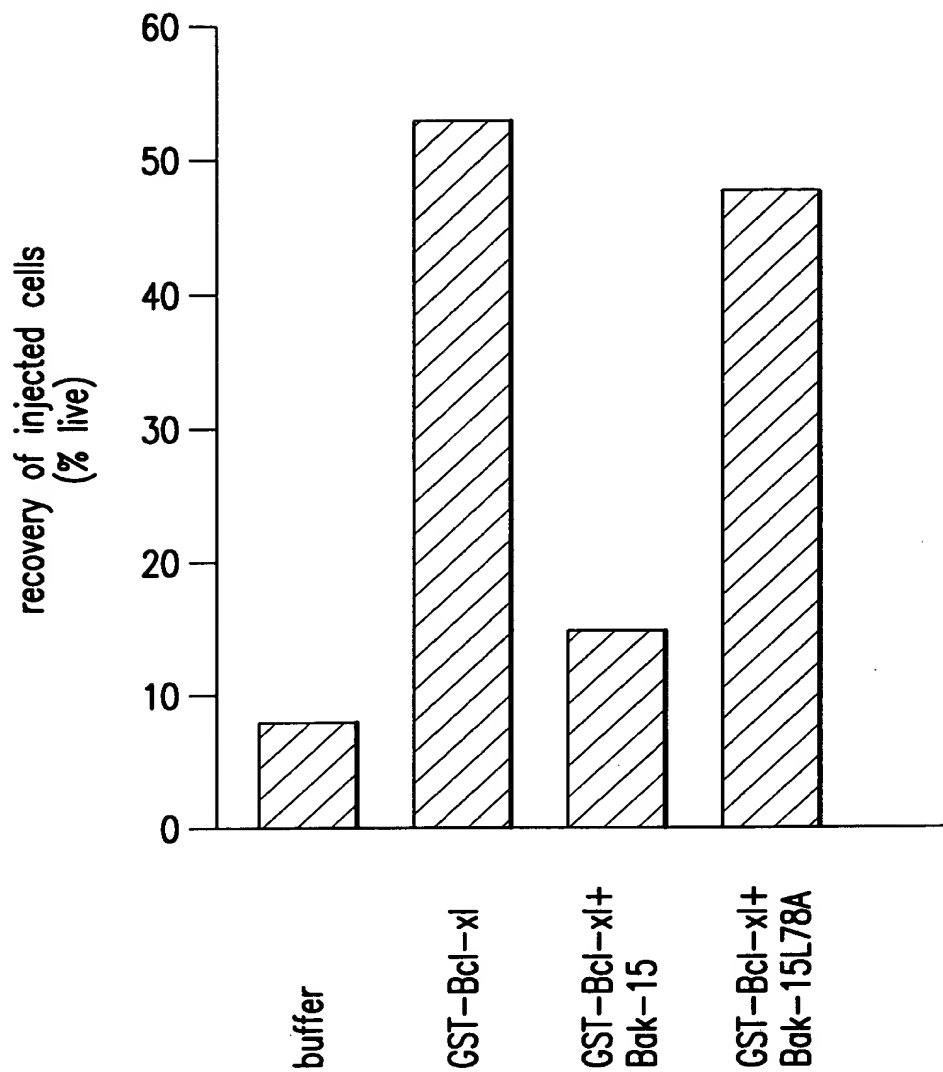


FIG.12